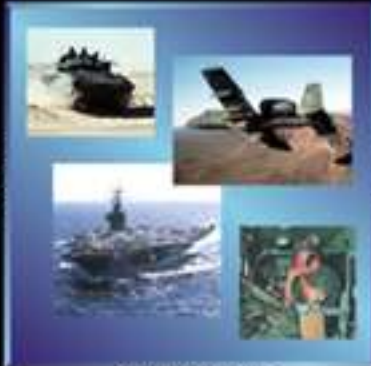


FORCE PROJECTION



MANEUVER

LOGISTICS

COMMUNICATIONS

Naval Sea Systems Command

NAVAL SURFACE WARFARE CENTER

Infrastructure Assurance

INSTALLATIONS - CRITICAL NODES

INFRASTRUCTURE ASSURANCE

INFRASTRUCTURE



ENERGY



TRANSPORTATION



COMMUNICATIONS



DAHLGREN DIVISION

PANAMA CITY DAHLGREN



Overview

To perform its mission, the Department of Defense (DoD) must be able to analyze and assess the important role commercial infrastructures play in military planning and execution.

NSWC Dahlgren Division is home to the Joint Program Office for Special Technology Countermeasures (JPO-STC), an organization chartered by an Office of the Secretary of Defense (OSD), responsible for the program oversight, management, and execution of the DoD's Infrastructure Assurance Program (IAP). The purpose of the IAP is to provide Commanders in Chief (CINCs), military services, and DoD mission planners with a "system-wide" analysis capability to identify critical infrastructure dependencies that, if disrupted, would impact military operations that are vital to national security.

Infrastructure Assurance Cell (JC20) Role

As the JPO-STC's systems integration agent, JC20 is responsible for leading and coordinating the efforts of a technical team composed of DoD, industry, and national laboratories. JC20's specific responsibility is to direct the systems engineering aspects of the IAP by integrating the tools, analyses, and data of the IAP team members into a comprehensive capability.

Applications

Applications include site assessments and operational dependency analyses. Site assessments begin with the characterization of energy, telecommunications, and transportation infrastructures to identify elements within the commercial infrastructure which, if removed from the network, would prevent or impede delivery or use of the infrastructure commodity (electric power, telephone communications, road and rail traffic) to the site.

Concurrent with the infrastructure characterization, the IAP team identifies linkages between a site or sites of interest and supporting sites in the DoD infrastructure by conducting operational dependency analyses.

As part of the JC20 systems engineering role, analyses from the infrastructure characterization and the operational dependency analyses are integrated to provide support that responds to CINC-defined scenarios and other operationally oriented analysis objectives including:

- Force Projection
- Mission Planning
- DoD Support to Civilian Authorities
- Wargaming and Readiness Exercises
- DoD Support to Government Agencies
- Force Protection
- Sustainment
- Mobilization

Based on customer requirements, JC20 can access unique capabilities and expertise resident at NSWC to provide support at the national, regional, and local levels. JC20 support to sponsors and customers has been demonstrated, time and again, to be timely, accurate, and reliable.



NSWCDD/MP-98/32B

Approved for public release; distribution is unlimited

For additional information, please contact:

NSWCDD Public Affairs

(540) 653-8153

www.nswc.navy.mil

We are looking for scientists and engineers in different fields.

For employment opportunities, please send your resume to:

NSWCDD College Recruiting Program

Human Resources Department, Code PD

17320 Dahlgren Road

Dahlgren, VA 22448-5100

Telephone: 1-800-352-7967

E-mail: recruit@nswc.navy.mil

WWW: nswc.navy.mil/P/RECRUIT/recruit.html